

Amphenol Broadband Solutions (ABS) is pleased to offer fiber optic attenuators to our high-quality line of fiber optic products. Fiber optic attenuators are used to reduce optical power levels when too much light would overload fiber optic receivers. In order to achieve the best bit error ratio (BER), optical power must be maintained within the dynamic range of the receiver. ABS fiber optic attenuators fit this requirement perfectly.

Attenuators are like sunglasses, they absorb extra light energy and thus protect fiber optic receivers from being overloaded. They have a working wavelength range in which light energy is absorbed equally. The light power used in fiber optic communications is fairly low and can be absorbed without noticeable damage to the attenuator itself.

Commonly known as a bulkhead connector, these Attenuators have 1 male and 1 female end and have an actual operational wavelength between 1200 - 1600nm.



Fiber Optic Attenuators

**Specifications**

Operation Wavelength:	1200-1600nm
Attenuator Value:	1-10, 15, 20 dB
Attenuator Precision:	+/- 0.5 (attenuation<10) dB +/- 1.0 (attenuation>10) dB
Maximum PDL:	0.1 dB
Return Loss:	UPC ≤ -55dB APC ≤ -65dB
Operating Temperature:	-40~ +75°C / -40~ +167°F
Storage Temperature:	-40~ +75°C / -40~ +167°F
LC, SC, ST, FC, UPC & APC available.	

**Configuration Generator:**

ASB64MF-

**AA. Connector**

- SC
- ST
- FC
- LC

**BBB. End Face**

- UPC
- APC

**CC. Discrete dB Value**

- 01 = 1dB
- 02 = 2dB
- 03 = 3dB
- 04 = 4dB
- 05 = 5dB
- 06 = 6dB
- 07 = 7dB
- 08 = 8dB
- 09 = 9dB
- 10 = 10dB
- 15 = 15dB
- 20 = 20dB